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THINKSERVER

OS AND VIRTUALIZATION OPTIONS

Windows Server · redhat · suse · Novell · CITRIX ready · vmware

WINDOWS SERVER 2012 R2

ThinkServer systems power business-critical deployments with world-class quality and innovation. Microsoft server software delivers productivity and efficiency throughout your business. The combination of Lenovo ThinkServer and Microsoft Windows Server 2012 R2 will help you deliver and manage a cost-effective IT infrastructure—both physical and virtual. Windows Server 2012 R2 also helps you provide users with secure access from almost any place and any device, giving them the flexibility to stay productive while on the go.

BEYOND SERVER VIRTUALIZATION

Windows Server 2012 R2 offers a dynamic, multitenant infrastructure to help you scale and secure workloads and build a private cloud. Windows Server 2012 R2 can help you provide:

- Live Migration—Improve VM availability with the ability to concurrently migrate an unlimited number of VMs
- Network Health Detection—Detect connectivity problems with Hyper-V on a protected virtual network. Automatically migrates VMs to a server where the network is available
- Software Defined Networking—Create network isolation without expensive changes to physical infrastructure

IMPROVE STORAGE EFFICIENCY

- Improve storage availability, reduce costs and improve performance
- Keep database and VMs available with SMB 3.0
- Reduce file storage requirements with enhanced data deduplication
- Create pools of storage resources and get faster access to data with automatic storage tiering

NETWORK INFRASTRUCTURE RESILIENCE

- Improve the reliability and scalability of your network
- Improve fault tolerance and throughputs through network teaming
- Keep clients connected with DHCP failover

MICROSOFT WINDOWS SERVER OS CHOICES

DESCRIPTION	ORDERABLE PN
Microsoft Windows Server 2012 R2 Reseller Option Kit	
Microsoft Windows Server 2012 R2 Standard ROK (2 CPU / 2VMs)	4XI0E51561
Microsoft Windows Server 2012 R2 Datacenter ROK (2 CPU)	4XI0E51562
Microsoft Windows Server 2012 R2 Essentials ROK (1-2 CPU)	4XI0E51563
Microsoft Windows Server 2012 R2 Foundation ROK (1 CPU)	4XI0E51560
Microsoft Windows Server 2012 Reseller Option Kit	
Microsoft Windows Server 2012 Standard ROK (2 CPU / 2VMs)	82972SM
Microsoft Windows Server 2012 Datacenter ROK (2 CPU)	82972DM
Microsoft Windows Server 2012 Essentials ROK (1-2 CPU)	82972EM
Microsoft Windows Server 2012 Foundation ROK (1 CPU)	82972FM
Microsoft Windows Server 2012 CALs (Use for both Server 2012 and Server 2012 R2)	
Microsoft Windows Server 2012 Client Access License (1 Device)	0C19601
Microsoft Windows Server 2012 Client Access License (1 User)	0C19602
Microsoft Windows Server 2012 Client Access License (5 Device)	0C19603
Microsoft Windows Server 2012 Client Access License (5 User)	0C19604
Microsoft Windows Server 2012 Client Access License (10 Device)	0C19605
Microsoft Windows Server 2012 Client Access License (10 User)	0C19606
Microsoft Windows Server 2012 Client Access License (50 Device)	0C19607
Microsoft Windows Server 2012 Client Access License (50 User)	0C19608
Microsoft Windows Server 2012 RDS CALs (Use for both Server 2012 and Server 2012 R2)	
Microsoft Windows Server 2012 Remote Desktop Services Client Access License (5 Device)	0C19609
Microsoft Windows Server 2012 Remote Desktop Services Client Access License (5 User)	0C19610
Microsoft Windows Server 2012 Remote Desktop Services Client Access License (1 Device)	0C19611
Microsoft Windows Server 2012 Remote Desktop Services Client Access License (1 User)	0C19612
Microsoft Windows Server 2008 R2 SP1 Reseller Option Kit	
Microsoft Windows Server 2008 R2 SP1 Enterprise MUI (EFIGS)[1] – w 25 CALs	84978PF
Microsoft Windows Server 2008 R2 SP1 Enterprise MUI (EN / JP)[2] – w 25 CALs	84978PJ
Microsoft Windows Server 2008 R2 SP1 Standard MUI (EFIGS)[1] – w 5 CALs	84978OF
Microsoft Windows Server 2008 R2 SP1 Standard MUI (EN / JP)[2] – w 5 CALs	84978OJ
Microsoft Windows Server 2008 R2 SP1 Foundation ROK MUI (EFIGS)[1] – w 15 CALs	84978HF
Microsoft Windows Server 2008 R2 SP1 Foundation ROK MUI (ENG / JP)[2] – w 15 CALs	84978HD
Microsoft Windows Server 2008 R2 Reseller Option Kit	
Microsoft Windows Server 2008 R2 Datacenter (2 CPU) ROK	0C19613
Microsoft Windows Server 2008 R2 Enterprise MUI (EFIGS)[1] – w 25 CALs	84978PE
Microsoft Windows Server 2008 R2 Enterprise MUI (EN / JP)[2] – w 25 CALs	84978PA
Microsoft Windows Server 2008 R2 Enterprise English – w 25 CALs	84978LE
Microsoft Windows Server 2008 R2 Enterprise German – w 25 CALs	84978LG
Microsoft Windows Server 2008 R2 Standard MUI (EFIGS)[1] – w 5 CALs	84978OE
Microsoft Windows Server 2008 R2 Standard MUI (EN / JP)[2] – w 5 CALs	84978OA
Microsoft Windows Server 2008 R2 Standard English – w 5 CALs	84978KE
Microsoft Windows Server 2008 R2 Standard German – w 5 CALs	84978KG
Microsoft Windows Server 2008 R2 Foundation MUI (ENG / JP)[2] – w 15 CALs	84978HA
Microsoft Windows Server 2008 R2 Foundation MUI (EFIGS)[1] – w 15 CALs	84978HE

1 English, French, Italian, German and Spanish
2 English and Japanese

THINKSERVER SOFTWARE OPTIONS

VMware® vSphere 5

- **Lenovo ThinkServer Solutions with VMware**

  Lenovo and VMware together allow you to virtualize and consolidate your server applications to reduce overall capital and operating expenses. Through our strong partnership, you can implement Lenovo ThinkServer and VMware virtualization solutions for server virtualization, desktop virtualization and cloud computing confidently. You can rely on Lenovo and VMware to deliver trusted, proven, certified solutions designed for a virtualized infrastructure.

- **Reduce IT Costs through Increased Utilization**

  Whether you are small, medium or large enterprise, Lenovo and VMware can help you realize the benefits of virtualization. Jointly, Lenovo and VMware can help you to reduce hardware costs, operating costs and energy costs for your server workloads. By running VMware with your Lenovo ThinkServer, you can significantly increase hardware utilization without compromising end-to-end performance.

- **Centralized Management of your Virtual Infrastructure**

  Manage your entire virtualized and non-virtualized infrastructure from a single point of control. The Lenovo ThinkServer Partner Pack for VMware vCenter provides a centralized console to manage and monitor the performance of your virtual environment. This free plug-in seamlessly integrates with your VMware vCenter virtualization management platform and allows you to administer your entire vSphere infrastructure from a single location. Simply download the Lenovo ThinkServer Partner Pack for VMware vCenter and deploy today.

- **Cloud Ready**

  Build and run your secure VMware vSphere-based Cloud infrastructure on Lenovo ThinkServer. Change your business economics by converting IT from a cost center to a strategic center of business innovation through Cloud Computing. Lenovo and VMware can help you remove complexity and implement a flexible and scalable environment that is dynamic, efficient and agile.

Compare VMware® vSphere Editions

VMware® vSphere Enterprise Editions

	vSphere 5 Editions For larger environments		
Benefits	**Standard**	**Enterprise**	**Enterprise +**
Consolidation and Availability Convert Physical System to Virtual Machines, Leverage Live Migration (vMotion, Storage vMotion) and Enable High Availability (HA)	●	●	●
Continuous Availability Fault Tolerance (FT) for Applications	●	●	●
Automated Resource Management Deliver Load Balancing (DRS), Power Management (DPM) without Manual Intervention	-	●	●
Simplified Operations Advanced Networking (Distributed Network Switch, I/O Control, SR-IOV) Advanced Storage (Storage DRS, Profile-Driven Storage, I/O Control) and Host Deployment/Configuration (Auto Deploy, Host Profiles) for More OPEX Savings	-	-	●

VMware® vSphere Essentials Kits

	vSphere 5 Essentials For smaller environments	
Benefits	**Essentials**	**Essentials +**
Make better use of existing infrastructure	●	●
Save time in managing infrastructure with vCenter central management	●	●
Improve application availability with • vMotion (no planned downtime) • High Availability (business continuity)	-	●
Protect business data with VMware® Data Protection, vShield EndPoint and vSphere Replication	-	●

THINKSERVER SOFTWARE OPTIONS

VMware® vSphere 5 with Operations Management

vSphere with Operations Management combines the world's leading virtualization platform with best-in-class management capabilities. This new solution enables users to gain operational insight into a vSphere environment while optimizing capacity. As vSphere environments continue to grow, users need proactive management that can deliver monitoring, performance and capacity information at a glance. This detailed analysis enables users to get the most out of the virtualization platform by reclaiming unused capacity, rightsizing virtual machines, improving utilization and helping to increase consolidation ratios. Supporting more than 3,000 applications from more than 1,650 ISV partners, vSphere provides the broadest choice for virtualizing business-critical applications.

- **Improve application performance and business continuity –** vSphere with Operations Management supports even the most resource-intensive applications to guarantee SLAs and availability. It reduces the cost and complexity of managing business continuity and disaster recovery with always-on IT capabilities and layered protection against service outages and data loss.
- **Simplify IT operations at a lower cost –** vSphere with Operations Management lowers operational overhead and dramatically simplifies the management of development, quality assurance and production IT environments that are large and geographically distributed.
- **Gain operational insight –** vSphere with Operations Management enables IT to respond to performance trends proactively. It collects and analyzes performance data, correlates abnormalities and identifies the root cause of building performance issues.
- **Optimize capacity –** vSphere with Operations Management makes it easier to manage and optimize capacity planning. Unused virtual machines can be reclaimed and underprovisioned virtual machines can be rightsized, helping to make the most efficient use of resources.
- **vSphere with Operations Management is available in three editions –** Standard, Enterprise and Enterprise Plus – and in several vSphere with Operations Management Acceleration Kits.

THINKSERVER SOFTWARE OPTIONS

VMware®

- **VMware® vSphere®**
  VMware® vSphere is the industry-leading virtualization platform for building cloud infrastructures that enables users to run business-critical applications with confidence and even help them to respond faster.
- **VMware® vSphere® with Operations Management**
  vSphere with Operations Management combines the world's leading virtualization platform with best-in-class management capabilities.

* License must be sold with a support package and with Lenovo ThinkServer hardware

Production Support		Basic Support	
1-Year	3-Year	1-Year	3-Year
4L40E68582	VMware® vCenter Server Heartbeat 6 for 1 vCenter Server		
4L40E68583	4L40E68584	4L40E68585	4L40E68586
4L40E68587	VMware® vSphere with Operations Management Standard for 1 processor		
4L40E68588	4L40E68589	4L40E68590	4L40E68591
4L40E68592	VMware® vSphere with Operations Management Enterprise for 1 processor		
4L40E68593	4L40E68594	4L40E68595	4L40E68596
4L40E68597	VMware® vSphere with Operations Management Enterprise Plus for 1 processor		
4L40E68598	4L40E68599	4L40E68600	4L40E68601
4L40E68602	VMware® vSphere with Operations Management Standard Acceleration Kit for 6 processors		
4L40E68604	4L40E68605	4L40E68606	4L40E68607
4L40E68608	VMware® vSphere with Operations Management Enterprise Acceleration Kit for 6 processors		
4L40E68610	4L40E68611	4L40E68612	4L40E68613
4L40E68614	VMware® vSphere with Operations Management Enterprise Plus Acceleration Kit for 6 processors		
4L40E68616	4L40E68617	4L40E68618	4L40E68619
4L40E68620	VMware® vSphere 5 Standard for 1 processor		
4L40E68621	4L40E68622	4L40E68623	4L40E68624
4L40E68625	VMware® vSphere 5 Enterprise for 1 processor		
4L40E68626	4L40E68627	4L40E68628	4L40E68629
4L40E68630	VMware® vSphere 5 Enterprise Plus for 1 processor		
4L40E68631	4L40E68632	4L40E68633	4L40E68634
4L40E68635	VMware® vCenter Server 5 Foundation for vSphere up to 3 hosts (Per Instance)		
4L40E68636	4L40E68637	4L40E68638	4L40E68639
4L40E68640	VMware® vCenter Server 5 Standard for vSphere 5 (Per Instance)		
4L40E68641	4L40E68642	4L40E68643	4L40E68644
4L40E68645	VMware® vSphere 5 Essentials Kit for 3 hosts (Max 2 processors per host)		
4L40E68646	VMware® vSphere 5 Essentials Bundle, 1-year Subscription (OEM pricing)		
4L40E68647	VMware® vSphere 5 Essentials Bundle, 3-year Subscription (OEM pricing)		
4L40E68648	VMware® vSphere 5 Essentials Plus Kit for 3 hosts (Max 2 processors per host)		
4L40E68649	4L40E68650	4L40E68651	4L40E68652

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PREVIOUS GENERATION THINKSERVER

Operating System / Hypervisor	TD230		RD230		RD240		TS130		TS430		RD530		RD630		RD330		RD430	
	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup
Windows Server 2003 R2 (x86 and x64)																		
Windows Server 2003 R2 Standard (x86 and x64) with SP2			❍		❍		❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)				
Windows Server 2003 R2 Enterprise (x86 and x64) with SP2			❍		❍		❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)				
Windows 7 (x86 and x64)																		
Windows 7 Ultimate (x86 and x64) with SP1							❍											
Windows 7 Professional (x86 and x64) with SP1							❍											
Windows 8																		
Windows 8 (32 bit and 64 bit)							❍											
Windows 8 Professional (32 bit and 64 bit)							❍											
Windows 8.1 (x86 and x64)																		
Windows 8.1 (x86 and x64)																		
Windows Server 2008 x86 Edition																		
Windows Server 2008 Standard x86	●	●	❍	●	❍	●	❍(4)	●	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)
Windows Server 2008 Enterprise x86	●	●	❍	●	❍	●	❍(4)	●	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)
Windows Server 2008 Datacenter x86											❍(4)	●(4)	❍(4)	●(4)				
Windows Server 2008 x64 Edition																		
Windows Server 2008 Foundations x64							❍	●	●	●								
Windows Server 2008 Standard x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 Enterprise x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 Datacenter x64											●	●	●	●				
Windows Server Hyper-v 2008											●	●	●	●	●	●	●(7)	●(7)
Windows Server 2008 R2 (x64)																		
Windows Server 2008 R2 Foundations x64							❍	●	●	●								
Windows Server 2008 R2 Standard x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 R2 Enterprise x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 R2 Datacenter x64											●	●	●	●				
Windows Server 2008 R2 (x64) with SP1																		
Windows Server 2008 R2 Foundations with SP1 x64							❍	●	●	●								
Windows Server 2008 R2 Standard with SP1 x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 R2 Enterprise with SP1 x64	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Server 2008 R2 Datacenter with SP1 x64											●	●	●	●				
Windows Server Hyper-v 2008 R2 with SP1											●	●	●	●	●	●	●(7)	●(7)
Windows Small Business Server 2008 (x64)																		
Windows Essential Business Server 2008 Standard			●		●													
Windows Essential Business Server 2008 Premium			●		●													
Windows Small Business Server 2008 Standard with SP2	●	●	●	●	●	●												
Windows Small Business Server 2008 Premium with SP2	●	●	●	●	●	●												
Windows Small Business Server 2011																		
Windows Small Business Server 2011 Essentials	●	●	●	●	●	●	❍	●	●	●					●(7)	●(7)	●(7)	●(7)
Windows Small Business Server 2011 Standard	●	●	●	●	●	●	❍	●	●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Windows Small Business Server 2011 Premium Add-on	●		●		●		❍	●	●	●	●		●		●(7)		●(7)	
Windows Server 2012																		
Windows Server 2012 Foundation							●	●	●	●								
Windows Server 2012 Standard							●	●	●	●	●	●	●	●	●	●	●	●
Windows Server 2012 Datacenter									●	●	●	●	●	●	●	●	●	●
Windows Server 2012 Essentials							●	●	●	●	●	●	●	●	●	●	●	●
Window Storage Server 2012 Standard																		
Windows Server 2012 Hyper-V							●		●		●		●		●		●	
Windows Server 2012 R2																		
Windows Server 2012 R2 Foundation									●	●								
Windows Server 2012 R2 Standard							❍		●	●	●	●	●	●	●	●	●	●
Windows Server 2012 R2 Datacenter									●	●	●	●	●	●	●	●	●	●
Windows Server 2012 R2 Essentials							❍		●	●	●	●	●	●	●	●	●	●
Windows Server 2012 R2 Hyper-v							❍		●	●								

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PREVIOUS GENERATION THINKSERVER

Operating System / Hypervisor	TD230		RD230		RD240		TS130		TS430		RD530		RD630		RD330		RD430	
	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup
Windows Multipoint Server																		
Windows Multipoint Server 2008																		
Windows Multipoint Server 2010																		
Windows Multipoint Server 2011							❍	●	●	●								
Novell® SLES																		
SUSE LINUX Enterprise Server 10 for x86 with SP3			❍(2)	●	❍	●												
SUSE LINUX Enterprise Server 10 for AMD64 and Intel64 with SP3			❍(2)	●	❍	●												
SUSE LINUX Enterprise Server 10 for x86 with SP4									●	●								
SUSE LINUX Enterprise Server 10 for AMD64 and Intel64 with SP4									●	●								
SUSE LINUX Enterprise Server 11 for x86	●	●	●(2)	●	●	●												
SUSE LINUX Enterprise Server 11 for AMD64® and Intel® EM64T®	●	●	●(2)	●	●	●												
SUSE LINUX Enterprise Server 11 for AMD64® and Intel® EM64T® with XEN	●	●																
SUSE LINUX Enterprise Server 11 for x86 with SP1									●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP1									●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
SUSE LINUX Enterprise Server 11 for x86 with SP2									●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP2									●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
SUSE LINUX Enterprise Server 11 for x86 with SP3																		
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP3																		
Red Hat® Enterprise Linux 5 Server																		
Red Hat® RHEL 5.6 (32 bit and 64 bit)									●	●								
Red Hat® RHEL 5.7 (32 bit)									●	●	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 5.7 (64 bit)									●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 5.8 (32 bit and 64 bit)									●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 5.9 (32 bit)																		
Red Hat® RHEL 5.9 (64 bit)																		
Red Hat® RHEL 5.10 (32 bit)																		
Red Hat® RHEL 5.10 (64 bit)																		
Red Hat® Enterprise Linux 6 Server																		
Red Hat® RHEL 6.0 (32 bit and 64 bit)									●	●								
Red Hat® RHEL 6.1 (32 bit)	●		●(2)		●						●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 6.1 (64 bit)	●		●(2)		●						●	●	●	●	●(7)	●(7)	●(7)	●(7)
Red Hat® RHEL 6.2 (32 bit)							❍(4)		●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 6.2 (64 bit)							❍(7)		●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Red Hat® RHEL 6.3 (32 bit)									●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Red Hat® RHEL 6.3 (64 bit)									●	●	●	●	●	●	●(7)	●(7)	●(7)	●(7)
Red Hat® RHEL 6.4 (32 bit)																		
Red Hat® RHEL 6.4 (64 bit)																		
Red Hat® RHEL 6.5 (32 bit)																		
Red Hat® RHEL 6.5 (64 bit)																		
VMware																		
VMware ESXi 5.5									●(5)	●(5)	●(14)	●(8)	●(14)	●(8)	●(14)	●(8)	●(14)	●(8)
VMware ESXi 5.1 U1																		
VMware ESXi 5.1									●(5)	●(5)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)
VMware ESXi 5.0 U1									●(5)	●(5)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)
VMware ESXi 5.0	●(1)		●(3)		●				●(5)	●(5)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)
VMware ESX 4.1	●(1)		●(3)		●													
VMware ESXi 4.1	●(1)		●(3)		●													
VMware ESXi 4.1 U1									●(5)									
VMware ESX 4.1 U1									●(5)									
VMware ESX 4.0	●(1)		●(3)		●													
VMware ESXi 4.0	●(1)		●(3)		●													
Citrix																		
Citrix XenServer 6.0																		
Citrix XenServer 6.0.2									●(5)		●(5)		●(5)		●(5)		●(5)	
Citrix XenServer 6.1																		
Citrix XenServer 6.2																		

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CURRENT GENERATION THINKSERVER

Operating System / Hypervisor	TS140		TS440		RD540		RD640		RD340		RD440		TD340		RS140	
	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup
Windows Server 2003 R2 (x86 and x64)																
Windows Server 2003 R2 Standard (x86 and x64) with SP2																
Windows Server 2003 R2 Enterprise (x86 and x64) with SP2																
Windows 7 (x86 and x64)																
Windows 7 Ultimate (x86 and x64) with SP1	❍		❍												❍	
Windows 7 Professional (x86 and x64) with SP1	❍		❍												❍	
Windows 8																
Windows 8 (32 bit and 64 bit)	❍		❍												❍	
Windows 8 Professional (32 bit and 64 bit)	❍		❍												❍	
Windows 8.1 (x86 and x64)																
Windows 8.1 (x86 and x64)	❍		❍												❍	
Windows Server 2008 x86 Edition																
Windows Server 2008 Standard x86					❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)		
Windows Server 2008 Enterprise x86					❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)		
Windows Server 2008 Datacenter x86					❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)		
Windows Server 2008 x64 Edition																
Windows Server 2008 Foundations x64																
Windows Server 2008 Standard x64					●	●	●	●	●	●	●	●	●	●		
Windows Server 2008 Enterprise x64					●	●	●	●	●	●	●	●	●	●		
Windows Server 2008 Datacenter x64					●	●	●	●	●	●	●	●	●	●		
Windows Server Hyper-v 2008					●(4)	●(4)	●(4)	●	●(4)	●	●(4)	●				
Windows Server 2008 R2 (x64)																
Windows Server 2008 R2 Foundations x64																
Windows Server 2008 R2 Standard x64																
Windows Server 2008 R2 Enterprise x64																
Windows Server 2008 R2 Datacenter x64																
Windows Server 2008 R2 (x64) with SP1																
Windows Server 2008 R2 Foundations with SP1 x64	●	●	●	●											●	●
Windows Server 2008 R2 Standard with SP1 x64	●(7)	●(7)	●(7)	●(7)	●	●	●	●	●	●	●	●	●	●	●	●
Windows Server 2008 R2 Enterprise with SP1 x64	●(7)	●(7)	●(7)	●(7)	●	●	●	●	●	●	●	●	●	●	●	●
Windows Server 2008 R2 Datacenter with SP1 x64					●	●	●	●	●	●	●	●	●	●		
Windows Server Hyper-v 2008 R2 with SP1					●	●	●	●	●	●	●	●				
Windows Small Business Server 2008 (x64)																
Windows Essential Business Server 2008 Standard																
Windows Essential Business Server 2008 Premium																
Windows Small Business Server 2008 Standard with SP2																
Windows Small Business Server 2008 Premium with SP2																
Windows Small Business Server 2011																
Windows Small Business Server 2011 Essentials	●(7)	●(7)	●(7)	●(7)	●	●	●	●	●	●	●	●	●	●	●	●
Windows Small Business Server 2011 Standard	●(7)	●(7)	●(7)	●(7)	●	●	●	●	●	●	●	●	●	●	●	●
Windows Small Business Server 2011 Premium Add-on	●(7)	●(7)	●(7)	●(7)	●	●	●	●	●	●	●	●	●	●	●	●
Windows Server 2012																
Windows Server 2012 Foundation	●	●	●	●											●	●
Windows Server 2012 Standard	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Server 2012 Datacenter			●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Server 2012 Essentials	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Window Storage Server 2012 Standard	❍		❍		❍		❍		❍		❍		❍			
Windows Server 2012 Hyper-V					●	●	●	●	●	●	●	●				
Windows Server 2012 R2																
Windows Server 2012 R2 Foundation	●	●	●	●											●	●
Windows Server 2012 R2 Standard	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Server 2012 R2 Datacenter	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Server 2012 R2 Essentials	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Server 2012 R2 Hyper-v	●	●	●	●	●	●	●	●	●	●	●	●	●(10)	●(10)	●	●
Windows Multipoint Server																
Windows Multipoint Server 2008																
Windows Multipoint Server 2010																
Windows Multipoint Server 2011	❍															
Novell® SLES																
SUSE LINUX Enterprise Server 10 for x86 with SP3																
SUSE LINUX Enterprise Server 10 for AMD64 and Intel64 with SP3																
SUSE LINUX Enterprise Server 10 for x86 with SP4					❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)		
SUSE LINUX Enterprise Server 10 for AMD64 and Intel64 with SP4					❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)	❍(4)	●(4)		

● – (Certified) – OS vendor confirms that Lenovo has met the standards required for certification
❍ – (Compatible) – the OS vendor has not provided formal certification, however Lenovo will support the OS.

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CURRENT GENERATION THINKSERVER

Operating System / Hypervisor	TS140		TS440		RD540		RD640		RD340		RD440		TD340		RS140	
	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup	Compatible / Certified	Easy Startup
SUSE LINUX Enterprise Server 11 for x86																
SUSE LINUX Enterprise Server 11 for AMD64® and Intel® EM64T®																
SUSE LINUX Enterprise Server 11 for AMD64® and Intel® EM64T® with XEN																
SUSE LINUX Enterprise Server 11 for x86 with SP1																
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP1																
SUSE LINUX Enterprise Server 11 for x86 with SP2					●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)		
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP2					●	●	●	●	●	●	●	●	●	●		
SUSE LINUX Enterprise Server 11 for x86 with SP3			●	●	●	●	●	●	●	●	●	●			●	●
SUSE LINUX Enterprise Server 11 for AMD64 and Intel64 with SP3			●	●	●	●	●	●	●	●	●	●			●	●
Red Hat® Enterprise Linux 5 Server																
Red Hat® RHEL 5.6 (32 bit and 64 bit)																
Red Hat® RHEL 5.7 (32 bit)																
Red Hat® RHEL 5.7 (64 bit)																
Red Hat® RHEL 5.8 (32 bit and 64 bit)																
Red Hat® RHEL 5.9 (32 bit)					●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)(11)	●(4)		
Red Hat® RHEL 5.9 (64 bit)					●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)(11)	●(4)		
Red Hat® RHEL 5.10 (32 bit)					●	●	●	●	●	●	●	●	●	●		
Red Hat® RHEL 5.10 (64 bit)					●	●	●	●	●	●	●	●	●	●		
Red Hat® Enterprise Linux 6 Server																
Red Hat® RHEL 6.0 (32 bit and 64 bit)																
Red Hat® RHEL 6.1 (32 bit)																
Red Hat® RHEL 6.1 (64 bit)																
Red Hat® RHEL 6.2 (32 bit)																
Red Hat® RHEL 6.2 (64 bit)																
Red Hat® RHEL 6.3 (32 bit)																
Red Hat® RHEL 6.3 (64 bit)																
Red Hat® RHEL 6.4 (32 bit)			●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)		
Red Hat® RHEL 6.4 (64 bit)			●(7)	●(7)	●	●	●	●	●	●	●	●	●	●		
Red Hat® RHEL 6.5 (32 bit)			●	●	●	●	●	●	●	●	●	●	●	●	●	●
Red Hat® RHEL 6.5 (64 bit)			●	●	●	●	●	●	●	●	●	●	●	●	●	●
VMware																
VMware ESXi 5.5	●(5)(15)	●(5)(15)	●(13)	●(13)	●	●	●	●	●(8)	●(8)	●(8)	●(8)	●(8)	●(8)	●(5)(12)	●(5)(12)
VMware ESXi 5.1 U1			● (5)(10)	● (5)(10)	●	●	●	●	●(8)	●(8)	●(8)	●(8)	●(8)(10)	●(8)(10)		
VMware ESXi 5.1																
VMware ESXi 5.0 U1																
VMware ESXi 5.0																
VMware ESX 4.1																
VMware ESXi 4.1																
VMware ESXi 4.1 U1																
VMware ESX 4.1 U1																
VMware ESX 4.0																
VMware ESXi 4.0																
Citrix																
Citrix XenServer 6.0																
Citrix XenServer 6.0.2					●(4)(9)	●(4)(9)	●(4)(9)	●(4)(9)	●(4)(8)(9)	●(4)(8)(9)	●(4)(8)(9)	●(4)(8)(9)	●(4)(8)(9)(10)	●(4)(8)(9)(10)		
Citrix XenServer 6.1					●(4)	●(4)	●(4)	●(4)	●(4)(8)	●(4)(8)	●(4)(8)	●(4)(8)	●(4)(8)(10)	●(4)(8)(10)		
Citrix XenServer 6.2			❍		❍				❍				❍			

NOTES:

1. Models with OnBoard SATA RAID are not supported. Support is valid for models with OnBoard SATA. (non-RAID) and LSI MegaRAID SAS 9240-8i.
2. Models with OnBoard SATA RAID are not supported.
3. Models with OnBoard SATA RAID are not supported. Support is valid for models with OnBoard SATA. (non-RAID) and LSI MegaRAID 8708E/8708EM2 and LSI MegaRAID SAS 9260-8i.
4. Due to OS limitation, support is valid for Legacy mode (non-UEFI) of BIOS.
5. Models with software RAID are not supported.
6. Models with OnBoard SATA RAID are not supported in UEFI mode of BIOS. Support is valid in Legacy mode (non-UEFI) of BIOS.
7. Models with OnBoard SATA/SAS RAID are not supported in UEFI mode of BIOS. Support is valid in Legacy mode (non-UEFI) of BIOS.
8. Models with OnBoard SAS/SATA RAID are not supported.
9. OnBoard Intel® 82574 network adapter is not supported.
10. NVIDIA® NVS300 video graphics adapter is not supported.
11. Emulex LPe16002B HBA card is not supported with Red Hat® 5.9.
12. Serial port card is not supported; TPM is not supported
13. OnBoard NIC driver Intel I217 is not supported.
14. Must update to BIOS 8.20 or later.
15. Supported in AHCI mode only.

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❍ – (Compatible) – OS vendor has not provided formal certification, however Lenovo will support the OS.

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